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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/718,497	11/19/2003	Alok Kumar	10559-875001 / P17394	8237
20985 FISH & RICHA	7590 08/06/200 ARDSON, PC	EXAMINER		
P.O. BOX 1022	,	NGUYEN, VAN H		
MINNEAPOLIS, MN 55440-1022			ART UNIT	PAPER NUMBER
			2194	
			NOTIFICATION DATE	DELIVERY MODE
			08/06/2009	ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

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	Application No.	Applicant(s)			
	10/718,497	KUMAR ET AL.			
Office Action Summary	Examiner	Art Unit			
	VAN H. NGUYEN	2194			
The MAILING DATE of this communication app Period for Reply	pears on the cover sheet with the	correspondence address			
A SHORTENED STATUTORY PERIOD FOR REPL WHICHEVER IS LONGER, FROM THE MAILING D - Extensions of time may be available under the provisions of 37 CFR 1.1 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period - Failure to reply within the set or extended period for reply will, by statute Any reply received by the Office later than three months after the mailin earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATIO (36(a). In no event, however, may a reply be ti will apply and will expire SIX (6) MONTHS from e, cause the application to become ABANDONE	N. mely filed the mailing date of this communication. ED (35 U.S.C. § 133).			
Status					
1) Responsive to communication(s) filed on <u>06 N</u>	s action is non-final. nce except for formal matters, pr				
Disposition of Claims					
4) Claim(s) 1-15,27-32,42 and 43 is/are pending 4a) Of the above claim(s) is/are withdra 5) Claim(s) is/are allowed. 6) Claim(s) 1-11,15,27-32,42 and 43 is/are reject 7) Claim(s) 12-14 is/are objected to. 8) Claim(s) are subject to restriction and/c	wn from consideration. ted. or election requirement.				
10) The drawing(s) filed on is/are: a) accomplicant may not request that any objection to the Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the Expression of the second	drawing(s) be held in abeyance. Se tion is required if the drawing(s) is ob	e 37 CFR 1.85(a). ejected to. See 37 CFR 1.121(d).			
Priority under 35 U.S.C. § 119					
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 					
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date	4) Interview Summary Paper No(s)/Mail D 5) Notice of Informal I 6) Other:	ate			

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DETAILED ACTION

1. This communication is responsive to the amendment filed 05/06/2009.

Claims 1-15, 27-32, 42 and 43 are pending in the application.

Claim Rejections - 35 USC § 103

- 2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).

Claims 1-11, 15, 27-32, 42 and 43 are rejected under 35 U.S.C. 103(a) as being unpatentable over Martin et al. (US 7046778 B2) in view of Chen et al. (US 6958973 B1).

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As to claims 1, 27, and 42:

Martin teaches a method, computer program product, and computer system (col.2, line

27-col.3, line 23), comprising:

at a computer, dynamically binding an event context to an execution context in response

to receiving events (process is invoked in response to the event which dynamically binds

to a processing context that identifies an action, e.g., operation, to be executed to provide

a selected communication service) [col.2, line 65-col.3, line 23], by:

storing, in a memory associated with the computer, arriving events that is accessible by

event contexts [col.28, lines 28-58 and col.33, lines 24-27];

associating, at the computer, an event queue with the execution context to temporarily

store events for the event context for a duration of the dynamic binding [col.30, lines 10-

45 and col.35, line 62-col.36, line 20].

Martin, however, does not specifically teach the use of a global event queue and

storing, in the memory, events from the global event queue in per-execution context

event queues.

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Chen teaches the use of a global event queue and storing, in the memory, events from the global event queue in per-execution context event queues (see Figs. 4-6 and the associated text).

It would have been obvious to a person of ordinary skill in the art at the time the invention was made to modify Martin with Chen because it would have provided an improved and simplified output queuing method for forwarding packets in sequence.

As to claim 2:

Martin teaches execution context can be in one of four states, idle, binding, bound, or unbinding binding [col.2, line 65-col.3, line 23].

As to claim 3:

Martin teaches in the bound state, an execution context is bound to a specific event context and the execution context processes events for that event context and the event queue associated with that execution context is used to store events for the event context to which it is bound [col.2, line 65-col.3, line 23; col.28, lines 28-58; and col.33, lines 24-27].

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As to claim 4:

Martin teaches in the unbinding state, the execution context determines if it has any more

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events to process for the event context to which it was bound and either unbinds itself

from the event context, going to idle state or begins processing another event from that

context, going back to bound state [col.2, line 65-col.3, line 23; col.28, lines 28-58; and

col.33, lines 24-27; see also, Fig.49A and the associated text].

As to claim 5:

Martin teaches in the event context can be in one of two states, unbound or bound [col.2,

line 65-col.3, line 23].

As to claims 6 and 43:

Chen teaches the global FIFO event queue is used to queue events when the events first

arrive into the system (see Figs. 4-6 and the associated text).

As to claims 7 and 28:

Chen teaches maintaining execution contexts in an idle state until an event arrives at a

head of the global event queue (see Figs. 4-6 and the associated text).

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As to claims 8 and 29:

Martin teaches assigning an execution context that is in idle state to process the packet

[col.2, line 65-col.3, line 23; col.28, lines 28-58; and col.33, lines 24-27; see also,

Figs.49A and 50 and the associated text].

As to claims 9 and 30:

Martin teaches removing an event from the events for the event context in the event

queue; determining the event context; and determining if the event context to which this

packet belongs is already bound to an execution context [col.2, line 65-col.3, line 23;

col.28, lines 28-58; and col.33, lines 24-27].

As to claims 10 and 31:

Martin teaches if the event context is already bound, binding an execution further

comprises placing the packet in the event queue of the other execution context to which

the event context associated with the packet is already bound to; unbinding the event

context; and returning to an idle state [col.2, line 65-col.3, line 23; col.28, lines 28-58;

and col.33, lines 24-27; see also, Figs.49A and 50 and the associated text].

Martin teaches if the event context is not already bound, binding an execution further comprises binding the execution context to that event context by updating a state of the execution context from idle to bound, updating the state of the event context from "not bound" to bound, and recording that this execution context is bound to this event context; and processing the event [col.2, line 65-col.3, line 23; col.28, lines 28-58; and col.33, lines 24-27; see also, Figs.49A and 50 and the associated text].

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As to claim 15:

Martin teaches the events are packets (packets).

Indication of Allowable Subject Matter

3. Claims 12-14 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims, subject to a final search.

Response to Arguments

4. Applicant's arguments regarding claims 1-15, 27-32, 42, and 43 are persuasive. However, new grounds of rejection are set forth in the Office Action.

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Contact Information

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5. Any inquiry or a general nature or relating to the status of this application should be directed to the TC 2100 Group receptionist: (571) 272-2100.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to VAN H. NGUYEN whose telephone number is (571) 272-3765. The examiner can normally be reached on Monday-Thursday from 8:30AM-6:00PM. The examiner can also be reached on alternative Friday. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, HYUNG S. SOUGH can be reached at (571) 272-6799.

The fax phone number for the organization where this application or proceeding is assigned is (571) 273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/VAN H NGUYEN/ Primary Examiner, Art Unit 2194